

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: DAVID LUKTON Examiner #: 71263 Date: 8/6/03
 Art Unit: 1653 Phone Number 301 83213 Serial Number: 09-703233
 Mail Box and Bldg/Room Location: _____ Results Format Preferred (circle): PAPER DISK E-MAIL
Mail Box: 9B01; Exr Rm 9B05

If more than one search is submitted, please prioritize searches in order of need.

Title of Invention: N-ALKYLATED PEPTIDES HAVING ANTIANGIOGENIC ACTIVITY

Applicants: HAVIV, FORTUNA; HENKIN, JACK; KALVIN, DOUGLAS M.; BRADLEY, MICHAEL F.

Earliest Priority Date: 11/22/99

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Applicants are claiming peptides which conform with the formula on the attached sheet.

X is hydrogen or alkyl, provided that at least one "X" is alkyl.

R1 = acetyl, HOOC-CH₂-CH₂-CO-, C₆H₅-CO-
 [R1 cannot be hydrogen]

R2 = methyl, hydrogen -(CH₂)_n-COOH, -(CH₂)_n-CONH₂, -CH₂-OH,

R3 = alkyl, hydrogen, -CH₂-C₆H₅, -(CH₂)_n-COOH, -(CH₂)_n-CONH₂,

R4 = alkyl, hydrogen, -CH₂-C₆H₅, aminobutyl, -(CH₂)_n-COOH,
 -(CH₂)_n-CONH₂, imidazolylmethyl, indolylmethyl, -CH₂-CH₂-SCH₃,

R5 = anything, provided that the carbon bearing R5 is of the D-configuration

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	Type of Search	Vendors and cost where applicable
Searcher: _____	NA Sequence (#) _____	STN _____
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R6 = alkyl, hydrogen, $-\text{CH}_2\text{-OH}$, $-(\text{CH}_2)_n\text{-COOH}$, $-(\text{CH}_2)_n\text{-CONH}_2$,
imidazolymethyl, indolymethyl, $-\text{CH}_2\text{-CH}_2\text{-SCH}_3$, $-\text{CH}_2\text{-CH=CH}_2$

R7 = alkyl, hydrogen, $-\text{CH}_2\text{-C}_6\text{H}_5$, $-(\text{CH}_2)_n\text{-CONH}_2$, $-\text{CH}_2\text{-OH}$,
 $-(\text{CH}_2)_3\text{-NHC(=NH)NH}_2$, indolymethyl;

R8 = alkyl, hydrogen, $-\text{CH}_2\text{-CH}_2\text{-SCH}_3$, $-\text{CH}_2\text{-CH=CH}_2$;

R9 = $-(\text{CH}_2)_3\text{-NHC(=NH)NH}_2$, $-(\text{CH}_2)_3\text{-NH-CONH}_2$,
 $-(\text{CH}_2)_4\text{-NH}_2$

R10 = alkyl, or $-\text{CH}_2\text{-C}_6\text{H}_5$

R11 = anything, but can contain no more than one amino acid.

n = 1 or 2